IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:

THOMAS J. CARLSON ET AL.

CASE NO.: BB-1321-1

APPLICATION NO.: 09/913,064

GROUP ART UNIT: 1638

FILED: AUGUST 8, 2001

EXAMINER: PHUONG T. BUI

CONFIRMATION NO.: 3445

CUSTOMER NO.: 23906

FOR: UDP-GLUCOSE MODIFIERS

RESPONSE UNDER 37 C.F.R. § 1.111

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

This Amendment is in response to the Office Action dated April 20, 2004. Please amend the above-referenced application as follows and consider the following remarks:

Remarks/Response begin on page 2 of this paper.